What is Claimed is:

- 1. A compress and position apparatus adapted for pressing a substrate, comprising:
- a guiding column having a first end and a second end corresponding to the first end, the diameter of the second end being greater than the diameter of the first end;
 - a base positioned under the second end of the guiding column and having a cylinder in the center thereof, the base further having a first plane arranged thereon at least one locating pin and a corresponding second plane having a convex portion arranged at the center thereof;
 - a housing having a plane on lateral surface thereof and mounted on the first plane, for disposing therein the guiding column and the cylinder;
- a seat having a cavity on the center thereof, in which the housing and the guiding column being disposed, the first end being connected to the seat and a plane being defined on the inner wall of the cavity;
 - a annular portion disposed on the first plane, having a through hole arranged at the center thereof for the housing to pass through and at least one locating hole corresponding to the locating pin;
 - a pressing plate disposed beneath the annular portion.

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- 2. The compress and position apparatus of claim 1, wherein the substrate is a silicon wafer.
- 3. The compress and position apparatus of claim 1, wherein the second end has a groove for receiving an elastic element.
- 4. The compress and position apparatus of claim 3, wherein the elastic element comprises an O-ring made of rubber.
 - 5. The compress and position apparatus of claim 1, wherein the convex portion is separated from the pressing plate by a predetermined distance for enabling the locating pin to escape from the locating hole.

- 6. The compress and position apparatus of claim 1, wherein the cylinder has a groove for receiving an elastic element.
- 7. The compress and position apparatus of claim 6, wherein the elastic element comprises an O-ring made of rubber.
- 5 8. The compress and position apparatus of claim 1, wherein the plane on the housing abuts the plane on the seat.
 - 9. The compress and position apparatus of claim 1, wherein the housing has a central opening for the first end to pass through and a plurality of vents all defined on the top thereof and a plurality of apertures defined on the inner wall thereof, such that the vents and the apertures are connected.
 - 10. The compress and position apparatus of claim 9, wherein the vents comprise a first vent and a second vent and the apertures comprise a first aperture connected to the first vent and a second aperture connected to the second aperture.
- 15 11. The compress and position apparatus of claim 9, wherein a groove is defined on the periphery of the opening for receiving an elastic element.
 - 12. The compress and position apparatus of claim 11, wherein the elastic element comprises an O-ring made of rubber.
- 13. The compress and position apparatus of claim 1, wherein the compress and position apparatus is made of plastic.
 - 14. The compress and position apparatus of claim 1, wherein the second end is not able to cover the apertures when the housing moves up and down along the guiding column.

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